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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,379	09/02/2004	Thomas Purr	DE 020057	1207
24737 7590 03/06/2007 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			EXAMINER MANCUSO, HUEDUNG XUAN CAO	
			ART UNIT	PAPER NUMBER
			2821	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	03/06/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/506,379

Applicant(s)

PURR ET AL.

Examiner

Huedung Cao Mancuso

Art Unit

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 December 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 6-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 6-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 September 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.


Hoanganh Le
Primary Examiner

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-3, and 6-10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 recites the limitation "from both sides and substantially one end of the slot structure" in line 8. There is insufficient antecedent basis for this limitation in the claim. It is unclear what the both sides are, and also what it means by substantially one end of the slot structure.

Claim 9 recite the limitation "from both sides and substantially one end of the slot structure" in line 9. There is insufficient antecedent basis for this limitation in the claim. It is unclear what the both sides are, and also what it means by substantially one end of the slot structure.

Claim 10 recites the limitation "from both sides and substantially one end of the slot structure" in lines 8-9. There is insufficient antecedent basis for this limitation in the claim. It is unclear what the both sides are, and also what it means by substantially one end of the slot structure.

The examiner will interpret the claims at best understood.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

3. Claims 1-3, and 6-10 are rejected under 35 U.S.C. 102(e) as being anticipated by Maoz et al. (US 6,466,176 B1).

Regarding claim 1, Maoz disclose a multiband microwave antenna see Maoz abstract, and figures 3, 4, 5, 8 having a substrate (101, 102) having at least a first and a second metallization structure (104, 105) and (109, 110), wherein the first metallization structure has at least a metal area (105) forming a resonator metal and a second metallization structure and the second metallization structure has at least a resonant printed conductor structure (110) and see Maoz column 9; line 51 to column 10, line 58, and figures 3, 4, 5, 8, wherein the metal area of the first metallization structure includes at least one slot structure that segments said metal area said slot structure including at least one tuning slot extending substantially perpendicular from both sides and substantially one end of the slot structure see Maoz column 10, lines 20-36, and figure 1 with tuning slots 104a, and 104b perpendicular to the left side and the right side of metal plate 105. It is noted that while a different embodiment is used for this claim than that of claim 1, the same reasoning applies as both embodiments contain the indicated elements of claim 1, and use similar element numbers with the main difference between them being substrate. The basic multiband microwave antenna being the same for both embodiment.

Regarding claim 2, in which the metallization structures are applied to mutually opposed main faces of a substantially parallelepiped substrate see Maoz, figure 8, and column 13, line 29-column 14, line 9.

Regarding claim 3, in which the substrate is arranged above a metallized base plate (103) that is at a reference potential see Maoz, column 9, lines 50-54.

Regarding claim 6, in which the at least a printed conductor structure (PCB 102) is provided with a tuning slot (109a-109c, and column 10, line 50-59).

Regarding claim 7, which is fed via a feed pin (108a, and column 10, lines 5-6) that is connected to the first and/or to the second metallization (104, 105, 109, 110),.

Regarding claim 8, in which the first and/or the second metallization structure is connected to a shorting pin fastened to the metallized base plate (108b, 108c, and column 11, lines 8-11).

Regarding claim 9, a printed circuit board, particularly for a mobile telecommunications device, having a multiband microwave antenna see figures 1-2, and column 9, line 17-34.

Regarding claim 10, a telecommunications device having a multiband microwave antenna see figures 1-2, and column 9, lines 17-34.

Response to Arguments

4. Applicant's arguments filed 12/07/2006 have been fully considered but they are not persuasive.

The examiner disagrees and has further clarified his/her position as detailed accordingly in the claim rejection section above.

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Art Unit: 2821

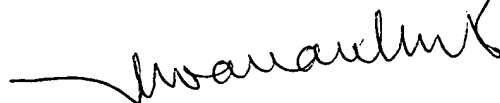
Inquiries

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Huedung Mancuso whose telephone number is (571) 272-1939.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Huedung Mancuso
Patent Examiner



Hoanganh Le
Primary Examiner